

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12 (Canceled).

Claim 13 (currently amended): A method of expressing a movement of a crowd made up of a plurality of individuals in an information processing apparatus, said method comprising the steps of:

obtaining the number of individuals which form a crowd at time t and the position of each individual, and assigning a position to each individual in the crowd at the next time $t + 1$ in accordance with a predetermined arrangement rule;

determining a destination direction with regard to a reference point of the crowd, ~~determined by~~ which is a center of the positions of the individuals which form the crowd at time t ;

determining the position at the next time $t + 1$ according to the position assigned ~~[[by]]~~ in accordance with said predetermined arrangement process rule and said destination direction; and

determining a movement speed ~~[[from]]~~ based on a direction of the assigned position ~~[[and]]~~ to the destination direction, and moving each of the individuals ~~based on the position and at~~ the movement speed thus determined toward the position determined.

Claim 14 (currently amended): A program product embodied in a computer readable medium storing therein a computer program which causes an information processing apparatus to execute:

an arranging process for obtaining the number of individuals which form a crowd at time t and the position of each individual, and assigning a position to each individual in the crowd at the next time $t + 1$ in accordance with a predetermined arrangement rule;

a process for determining a destination direction with regard to a reference point of the crowd, ~~determined by~~ which is a center of the positions of the individuals which form the crowd at time t ;

a process for determining the position at the next time $t + 1$ according to the position assigned [[by]] in accordance with said predetermined arrangement ~~process~~ rule and said destination direction; and

a process for determining a movement speed [[from]] based on a direction of the assigned position [[and]] to the destination direction, and for moving each of the individuals ~~based on the position and at~~ the movement speed thus determined toward the position determined.

Claim 15 (currently amended): An information processing apparatus comprising:

arranging means for obtaining the number of individuals which form a crowd at time t and the position of each individual, and assigning a position to each individual in the crowd at the next time $t + 1$ in accordance with a predetermined arrangement rule;

means for determining a destination direction with regard to a reference point of the crowd, ~~determined by~~ which is a center of the positions of the individuals which form the crowd at time t ;

means for determining the position at the next time $t + 1$ according to the position assigned [[by]] in accordance with said predetermined arrangement ~~process~~ rule and said destination

direction; and

means for determining a movement speed ~~[[from]]~~ based on a direction of the assigned position ~~[[and]]~~ to the destination direction, and for moving each of the individuals ~~based on the position and at~~ the movement speed thus determined toward the position determined.